

PATENT

Docket N°: 57.0478 US PCT

Title: METHODS AND APPARATUS FOR THE MEASUREMENT OF HYDROGEN SULPHIDE AND THIOLS IN FLUIDS

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Date

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Jiang et al

FILING DATE

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GROUP

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee
	AA	3,780,575	12/25/73	Urbanosky
	AB	3,859,851	01/14/75	Urbanosky
	AC	4,994,671	02/19/91	Safinya et al
	AD	2003/0134426 A1	07/17/03	Jiang et al

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation	
					Yes	No
	AE	1168469 A1	12/24/97	CN	Abstract only	
	AF	44 11 370 A1	10/05/95	DE	Abstract only	
	AG	0 299 779 A2 and A3	01/18/89	EP		
	AH	2 287 791 A	09/27/95	GB		
	AI	2 359 631 B	03/06/02	GB		
	AJ	1402914 A1	06/15/88	SU	Abstract only	
	AK	01/63094 A1	08/30/01	WO		

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

	AL	Badry et al New wireline formation tester techniques and applications Trans. SPWLA 34th Annual Logging Symposium, Calgary, June 1993, paper ZZ
	AM	Fultz et al Mediator compounds for the electrochemical study of biological redox systems: a compilation Analytica Chimica Acta, vol. 140, 1982, pages 1-18
	AN	Jeroschewski et al Galvanic sensor for determination of hydrogen sulfide Electroanalysis, vol. 6, 1994, pages 769-772

	AO	Lawrence et al The electrochemical analog of the methylene blue reaction: a novel amperometric approach to the detection of hydrogen sulfide Electroanalysis, vol. 12, no. 18, 2000, pages 1453-1460
	AP	Lawrence et al Detection of sulfite via the trapping and subsequent electrochemical detection of hydrogen sulfide Mikrochim. Acta, vol. 137, 2001, pages 105-110
	AQ	Lawrence et al Electrochemically initiated 1,4-nucleophilic substitutions: a general strategy for the analytical detection of hydrogen sulfide Electroanalysis, vol. 13, no. 6, 2001, pages 432-436
	AR	Lawrence et al Selective determination of thiols: a novel electroanalytical approach Analyst, vol. 125, 2000, pages 661-663
	AS	Lawrence et al Carbon-epoxy electrodes: unambiguous identification of authentic triple-phase (insulator/solution/electrode) processes ChemComm, The Royal Society of Chemistry, 2002, pages 1028-1029
	AT	Rhodes Determination of hydrogen sulfide content in natural gas, evaluation of containers for preparation of calibration standards and sample collection procedure US Department of the Interior, Bureau of Mines, Report of Investigations 8391, Washington, 1979
	AU	Schlumberger Wireline and Testing Sampling Wireline formation testing and sampling, Houston, Texas, 1996, pages 10-1 to 10-25
EXAMINER		DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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